

TECHNOLOGY PORTFOLIO ISSUES 6 July 2011 – List of speakers



Mr. Kevin NASSIEP is the Chief Executive Officer for the South African National Energy Research Institute (SANERI). He also oversees the National Energy Efficiency Agency (NEEA) which promotes energy saving measures. Prior to his appointment to SANERI, Mr. Nassiep held leadership positions as Chief Director of Energy Planning at the Department of Minerals and Energy (DME) and Energy Research Manager at Eskom. He also holds the Chairmanship of SA Aquaponics (Pty) Ltd, a company established to commercialise rural development projects that focus on job creation. He is also non-Executive Director of Acclaim Human Capital, a company focused on consulting in the human resources area with a special focus on developing empowerment capacity in companies through appropriate coaching and restructuring exercises.



Dr. Minnesh Bipath is the Senior Manager, Energy Infrastructure and End-Use for SANERI, including smart-grid motivation. Dr. Bipath began his career in 1990 at Hartmann and Braun working on large projects such as the Moss gas plant automation and Petroleum research plant automation. In October 1992, he joined Honeywell as a control and automation systems engineer for the Delay Coke Plant (Sasol Secunda), the first bio engineering plant in South Africa AECI lysine plant (Durban). In 1996, he joined the Eskom Technology Strategy Group, in the role of non-grid research manager and, in 2001, he was appointed as the research manager for Distribution Business. Dr. Bipath graduated with a BSc in Electronic Engineering (Natal University), and obtained Masters' and PhD degrees from the UNISA School of Business Leadership.



Ms. Carrie Pottinger is Programme Manager for Energy Technology R&D Networks in the Energy Technology Policy Division of the IEA. In this capacity she oversees the 42 IEA Implementing Agreements, serves as the Secretary for the committees relating to fusion and R&D evaluation and priority setting, and carries out R&D policy reviews and national R&D co-ordination efforts. Ms. Pottinger has more than 20 years of substantive energy experience in statistics, R&D co-operation and policy analysis, and has authored more than 30 publications on a broad range of energy issues (prices, tax policies, R&D policies, supply forecasts, economic indicators, refinery operations, power plant efficiencies, supply/demand, trade flows). She holds a Bachelor's degree in business communications. Post-university studies include economics, statistics, price forecasting and data analysis.



Mr. Rob Kool, Chair of the IEA Experts' Group on R&D Priority Setting and Evaluation, is Manager of the Energy and Climate Cooperation Europe for SenterNovem, the Dutch agency on Innovation and Sustainability. Rob has over 30 years of experience with a broad range of topics in the energy field such as municipal energy policy, design of new efficient suburbs, district heating, build environment, JI, CDM and leading international co-operation projects. Rob is active and holds leadership roles in many international fora, including the association of European Energy Agencies EnR, vice-president of European Council for Energy Efficiency, and vice-chair for the Demand Side Management Implementing Agreement. Rob holds a business degree from the Netherlands Business School and a doctorate in biology from the University of Utrecht.



Dr. Luisa F. Cabeza, member of the Executive Committee of the Energy Storage through Energy Conservation Implementing Agreement (ECES IA), is a full professor at the University of Lleida (Spain) where she has worked for over 12 years on thermal energy storage. She leads a large research group on the topic, GREA (www.grea.udl.cat). Ms. Cabeza is active in several IEA working groups, the Renewable and Heating & Cooling European Platform, and collaborates with Intergovernmental Panel on Climate Change (participation in the Special Report on Renewable Energy Sources and Climate Change and the 5th Assessment Report). Luisa holds an industrial engineering degree and a chemical engineering degree, a Master on Industry Management, and a PhD in industrial engineering.



Mr. Michele de Nigris has been an international leader in the study, research and testing fields on electrical components for over 20 years. Mr. de Nigris has foreseen the strategic importance of the smart grids since their early application and has directed the efforts of his team towards cutting-edge technologies in this field. Mr. De Nigris is the Director of T&D Technologies Department of RSE and. He represents Italy in many international fora in a leadership capacity, including the European Electricity Grids Initiative, the Smart Grids Joint programme of the European Energy Research Alliance, and the IEA Implementing Agreements. He is the Chair of the new IEA Implementing Agreement concerning smart grids. Author or co-author of nearly 100 scientific papers, several of which published in high impact-factor reviews. Mr. de Nigris is a registered engineer and serves as officer for the certification of the energy performances of buildings for Lombardy.



Dr. Reinhard Jank, is currently Head of the Energy Management Department of Volkswohnung Karlsruhe, leading the project "Case Studies and Guidance to Energy Efficient Communities" for the IEA Implementing Agreement covering buildings and community systems. Reinhard has 35 years of experiences in municipal energy supply and energy efficient buildings, with numerous publications, including "Advanced Local Energy Planning". Dr. Jank began his career at the research centre of Jülich, specialising in district heating and heat pumps. Work within the private sector includes as a consultant in energy systems analysis, a department leader for community projects for regional utility and as head of the state energy agency of Baden-Württemberg. In 2009 Dr. Jank was designated as scientific coordinator for the German research program on energy efficient cities. He holds a PhD in Applied Physics (University of Innsbruck).



Dr. Gundula Hübner, Associate Professor at the Institute of Psychology, Martin-Luther-Universität Halle-Wittenberg, Germany, leads the research group of health and environmental psychology. Dr. Hübner and her research group have experience with a broad range of topics concerning the social impact and social acceptance of renewable energies. Supporting the German Ministry for the Environment, Gundula is a member of the IEA Implementing Agreement relating to wind energy, working on the project concerning social acceptance of wind energy. Gundula holds a diploma in Psychology from the Christian-Albrecht University Kiel and a PhD in Psychology from the Universities of Kiel and Halle-Wittenberg.



Mr. David Beeton is currently the Director for the Centre for Industrial Growth where his focus is on the potential of rapidly emerging sectors such as electric vehicles (EVs), renewable energy and intelligent transport systems to accelerate the development of smart cities. Much of this work supports industry and policymakers in creating urban ecosystems that are more intelligently responsive to future green lifestyles. David was formerly the lead strategist for a major EV programme that leveraged investments of circa \$1 billion, establishing the North East England region as an international hub for this new industry. Mr. Beeton leads the project to prepare cities for large-scale deployment of electric vehicles in cities for the IEA Implementing Agreement studying hybrid and electric vehicles. He holds two Masters degrees in Engineering and a PhD (University of Cambridge).



Mr. Carel Snyman is the Senior Manager for Green Transport Centre at SANEDI. Mr. Snyman has more than 30 years experience with electric vehicles for South African governmental institutions such as the National Energy Council and Eskom. At Eskom, Mr. Snyman was part of a team examining research and purchased various drive systems and batteries for evaluation and conversion of vehicles to electric propulsion. This included a 20 seat game viewing vehicle that was used in the Kruger National Park. Carel has also represented South Africa on the executive committee of the IEA Implementing Agreement relating to hybrid and electric vehicles. He holds a masters degree in science and in business leadership.